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NOTICE OF ALLOWANCE AND FEE(S) DUE

26181

7590

03/17/2009

FISH & RICHARDSON P.C. PO BOX 1022 MINNEAPOLIS, MN 55440-1022 EXAMINER

WEI, ZHENG

ART UNIT PAPER NUMBER

2192 DATE MAILED: 03/17/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/639.674	08/11/2003	Eric Moore	11973-007001	6822

TITLE OF INVENTION: RULE ENGINE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	06/17/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				(s) Transmittal This	certifi paper,	cate cannot be used for such as an assignment	r domestic mailings of the or any other accompanying nt or formal drawing, must
FISH & RICHA PO BOX 1022 MINNEAPOLIS	7590 03/17 ARDSON P.C. , MN 55440-1022	/2009		Carti	ficato	of Mailing or Trans	nission deposited with the United t class mail in an envelope above, or being facsimile tte indicated below.
							(Depositor's name)
							(Signature)
	_						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTOR	RNEY DOCKET NO.	CONFIRMATION NO.
10/639,674 ITTLE OF INVENTION	08/11/2003 : RULE ENGINE		Eric Moore		1	1973-007001	6822
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0		\$1055	06/17/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS]			
WEI, Z	HENG	2192	717-117000	,			
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME AD PLEASE NOTE: Unla recordation as set forth (A) NAME OF ASSIG	ess an assignee is ident n in 37 CFR 3.11. Comp GNEE	"Indication form led. Use of a Customer A TO BE PRINTED ON This ified below, no assignee soletion of this form is NO	(B) RESIDENCE: (CITY	wely, e firm (having as a ragent) and the names rneys or agents. If ne printed. be) atent. If an assigned assignment. and STATE OR CC	members of uponame	entified below, the do	ocument has been filed for
Please check the appropri	ate assignee category or	categories (will not be pr	rinted on the patent):	Individual	poratio	on or other private gro	up entity Government
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
a. Applicant claims	t us (from status indicated s SMALL ENTITY statu	is. See 37 CFR 1.27.	☐ b. Applicant is no long	_			
NOTE: The Issue Fee and interest as shown by the r	d Publication Fee (if requeecords of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other than to Office.	he applicant; a regist	ered a	ttorney or agent; or th	e assignee or other party in
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Typed or printed name				Registration No),		
This collection of informan application. Confident submitting the completed this form and/or suggestion 1450. Alexandria V	ation is required by 37 Ciality is governed by 35 I application form to the ons for reducing this builting 22313-1450 Dec.	CFR 1.311. The information U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the DNOT SEND FEES OR	on is required to obtain or r 1.14. This collection is est depending upon the indive e Chief Information Office COMPLETED FORMS TO	retain a benefit by the imated to take 12 m ridual case. Any con er, U.S. Patent and T D THIS ADDRESS	e publi inutes iments radem	c which is to file (and to complete, including on the amount of ting ark Office, U.S. Depart	by the USPTO to process) g gathering, preparing, and ne you require to complete rtment of Commerce, P.O. for Patents P.O. Box 1450.

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10/639,674	08/11/2003	Eric Moore	11973-007001 6822		
26181 75	590 03/17/2009		EXAMINER		
FISH & RICHARDSON P.C.			WEI, Z	HENG	
PO BOX 1022			ART UNIT	PAPER NUMBER	
MINNEAPOLIS, MN 55440-1022			2192		
			DATE MAILED: 03/17/2009		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 827 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 827 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/639,674	MOORE ET AL.	
Notice of Allowability	Examiner	Art Unit	
	ZHENG WEI	2192	
	ZHENG WEI	2192	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not included nunication will be mailed in due cours	se. THIS
1. This communication is responsive to <u>1/26/2009</u> .			
2. X The allowed claim(s) is/are 1-15 and 26-30 (re-numbered and 26-30)	as 1-20 <u>)</u> .		
 3. Acknowledgment is made of a claim for foreign priority unerstanding a) All b) Some* c) None of the: 1. Certified copies of the priority documents have) or (f).	
2. ☐ Certified copies of the priority documents have		ion No	
3. ☐ Copies of the certified copies of the priority do	• • • • • • • • • • • • • • • • • • • •		rom the
International Bureau (PCT Rule 17.2(a)).	cuments have been receiv	ed in this national stage application i	ioni ne
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the require	ments
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give			E OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) \square including changes required by the Notice of Draftspers	son's Patent Drawing Revi	ew (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	·		
(b) ☐ including changes required by the attached Examiner'Paper No./Mail Date	s Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			() of
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 Notice of	nformal Patent Application	
 Notice of References Gled (PTO-092) Dotice of Draftperson's Patent Drawing Review (PTO-948) 		Summary (PTO-413),	
 Information Disclosure Statements (PTO/SB/08), 	Paper No	o./Mail Date s Amendment/Comment	
Paper No./Mail Date			
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 		s Statement of Reasons for Allowand	ce
	9. Other		
	/Tuan Q. Dan Supervisory P	n/ atent Examiner, Art Unit 2192	

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DETAILED ACTION

1. This office action is in response to the amendment filed on 01/26/2009.

- 2. Claims 1, 26 and 30 have been amended.
- 3. Claims 16-25 have been cancelled.
- 4. Claims 1-15 and 26-30 remain pending and now being allowed (re-numbered as 1-20).

Allowable Subject Matter

5. As Applicants point out under Remarks section at pages 6-8 filed on 08/15/2008, the closest cited prior art of Highland (Frederic Dean Highland, EP 0355287A2) does not teach or fairly suggest at least the feature of "generating a dependency graph for the rule set, the dependency graph including a plurality of ranked nodes, the nodes including entity nodes, attribute nodes, condition nodes, and rule nodes, where a first attribute node points to a first condition node when a first attribute is used in a conditional expression, a first condition node points to a first rule node when a first condition associated with the first condition node is used in a first rule associated with the first rule node, and where the first rule node points to a second rule node when the first rule overrides a second rule associated with the second rule node; and generating a sequence of processing logic for optimal processing of inputted facts according to a rank order of the nodes in the dependency graph" as recited in independent claims 1 and 26.

Moreover, the amendment filed 01/26/2009 further clarifies the relationship about

terms "first attribute", "attribute nodes", "conditional expression" and "condition nodes". Prior art of record does not teach and/or fairly suggest claimed limitations in as such manners as recited in each of independent claims 1 and 26, and thus all dependent claims are allowable for at least the same reasons.

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6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Zheng Wei whose telephone number is (571) 270-1059 and Fax number is (571) 270-02059. The examiner can normally be reached on Monday-Thursday 8:00-15:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam can be reached on (571) 272-3695. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Any inquiry of a general nature of relating to the status of this application or proceeding should be directed to the TC 2100 Group receptionist whose telephone number is 571- 272-1000.

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Art Unit: 2192

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Z. W./ /Tuan Q. Dam/

Examiner, Art Unit 2192 Supervisory Patent Examiner, Art Unit 2192